

INTERNATIONAL SEARCH REPORT

PCT/EP2005/000889

A. CLASSIFICATION OF SUBJECT MATTER

INV. H01L31/052 H01L31/0216 F24J2/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal; WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| Y | EP 0 019 016 A (MICHAEL, SIMON, DIPL.-ING) 26 November 1980 (1980-11-26) the whole document | 1,2,5,7, 9 |
| A | | 3,4,6 |
| Y | WO 97/01778 A (MINNESOTA MINING AND MANUFACTURING COMPANY) 16 January 1997 (1997-01-16) pages 1,2; claim 1 | 1,2,5,7, 9 |
| A | DE 199 24 783 A1 (LEONHARD KURZ GMBH & CO) 21 December 2000 (2000-12-21) column 4, line 62 - column 8, line 54; figures 1-10 | 3,4,6 |
| A | EP 0 927 857 A (LASICH, JOHN BEAVIS; SOLAR SYSTEMS PTY LTD) 7 July 1999 (1999-07-07) the whole document | 1,2,5,8 |
| | -/- | |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

18 May 2006

Date of mailing of the international search report

31/05/2006

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | US 4 700 013 A (SOULE ET AL) 13 October 1987 (1987-10-13) the whole document ----- | 1,5,9 |
| A | DE 31 30 226 A1 (M.A.N. MASCHINENFABRIK AUGSBURG-NUERNBERG AG) 17 February 1983 (1983-02-17) the whole document ----- | 1,2,5,7 |
| A | EP 0 785 400 A (IZUMI, HISAO) 23 July 1997 (1997-07-23) ----- | |

INTERNATIONAL SEARCH REPORT

PCT/EP2005/000889

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|---|--|
| EP 0019016 | A | 26-11-1980 | DE 2855553 A1 FR 2472146 A1 | 31-07-1980 26-06-1981 |
| WO 9701778 | A | 16-01-1997 | AU 694884 B2 AU 6287796 A BR 9609392 A CA 2225629 A1 CN 1189220 A DE 69617016 D1 DE 69617016 T2 EP 0835467 A1 JP 11508380 T US 6565982 B1 | 30-07-1998 30-01-1997 18-05-1999 16-01-1997 29-07-1998 20-12-2001 18-07-2002 15-04-1998 21-07-1999 20-05-2003 |
| DE 19924783 | A1 | 21-12-2000 | AT 239922 T AU 767224 B2 AU 5804800 A BR 0011032 A CN 1353819 A WO 0073810 A1 DE 20022714 U1 EP 1183548 A1 ES 2199167 T3 HK 1040772 A1 JP 2003501606 T PT 1183548 T US 6923174 B1 | 15-05-2003 06-11-2003 18-12-2000 26-02-2002 12-06-2002 07-12-2000 28-02-2002 06-03-2002 16-02-2004 31-10-2003 14-01-2003 30-09-2003 02-08-2005 |
| EP 0927857 | A | 07-07-1999 | NONE | |
| US 4700013 | A | 13-10-1987 | NONE | |
| DE 3130226 | A1 | 17-02-1983 | NONE | |
| EP 0785400 | A | 23-07-1997 | AU 707630 B2 AU 3578895 A BR 9509220 A CN 1160441 A WO 9611364 A1 KR 252687 B1 US 6057504 A | 15-07-1999 02-05-1996 27-01-1998 24-09-1997 18-04-1996 15-04-2000 02-05-2000 |